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This listing of claims will replace all prior versions of claims in the application.

Claim 1 (currently amended) A positive-acting photoimageable composition comprising a photoactive component and a polymer component, the polymer component comprising a polymer that comprises Si atoms and silanol groups, wherein the polymer has a ratio of silanol groups to Si atoms of about 0.15 to 0.4 ~~0.05 to~~  $\pm$ , and the polymer comprises one or more moieties select from the group consisting of fluorinated alcohol, sulfonamide, carboxylic acid and/or thiol.

Claims 2-4 (cancelled)

Claim 5 (previously presented) The photoimageable composition of claim 1 wherein the ratio of silanol groups to Si atoms is about 0.1 to 1.

Claims 6-10 (cancelled)

Claim 11 (cancelled)

Claim 12 (previously presented) The photoimageable composition of claim 1 wherein the polymer contains at least about 20 mole percent of fluorinated alcohol, sulfonamide, carboxylic acid and/or thiol moieties based on total units of the polymer.

Claims 13-14 (cancelled)

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Claim 15 (previously presented) The photoimageable composition of claim 1 wherein the polymer contains at least about 50 mole percent of fluorinated alcohol, sulfonamide, carboxylic acid and/or thiol moieties based on total units of the polymer.

Claim 16 (previously presented) The photoimageable composition of claim 1 wherein the polymer comprises units that are free of photoacid-labile groups and.

Claim 17 (previously presented) The photoimageable composition of claim 1 wherein the polymer comprises at least two distinct repeat units.

Claims 18-20 (cancelled)

Claim 21 (previously presented) The photoimageable composition of claim 1 wherein the composition is a chemically-amplified positive acting photoresist.

Claims 22-29 (cancelled)

Claim 30 (previously presented) A coated substrate comprising:

- a) a polymer composition coating layer applied over a substrate surface;
- b) a coating layer of a photoimageable composition of claim 1 disposed over the polymer composition coating layer.

Claims 31-36 (cancelled)

Claim 37 (previously presented) A coated substrate of claim 30 wherein the polymer composition does not contain a polymer with Si groups.

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Claim 38 (previously presented) A coated substrate of claim 30 wherein the polymer composition is not photoimageable.

Claim 39 (previously presented) A method for forming a electronic device, comprising:

- (a) applying on a substrate a coating layer of a polymer composition;
- (b) over the polymer composition coating layer, applying a photoimageable composition of claim 1;
- (c) exposing the photoimageable composition coating layer to activating radiation and developing the exposed photoimageable layer.

Claim 40 (original) The method of claim 39 wherein a coating layer of the photoimageable composition coating layer is exposed with radiation having a wavelength of about 248 nm.

Claim 41 (original) The method of claim 39 wherein a coating layer of the photoimageable composition coating layer is exposed with radiation having a wavelength of less than about 200 nm.

Claim 42 (original) The method of claim 39 wherein a coating layer of the photoimageable composition coating layer is exposed with radiation having a wavelength of about 193 nm or 157 nm.

Claims 43-59 (cancelled)

Claim 60 (previously presented) The method of claim 39 wherein the substrate is a silicon wafer.

Claim 61-62 (cancelled)

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Claim 63 (previously presented) The photoimageable composition of claim 1 wherein the polymer comprises one or more moieties select from the group consisting of fluorinated alcohol and carboxylic acid.

Claim 64 (previously presented) The photoimageable composition of claim 1 wherein the polymer comprises one or more moieties selected from the group consisting of sulfonamide and thiol.

Claim 65. (new) A positive-acting photoimageable composition comprising a photoactive component and a polymer component,  
the polymer component comprising a polymer that comprises Si atoms and silanol groups,  
wherein the polymer has a ratio of silanol groups to Si atoms of about 0.05 to 0.4,  
and the polymer comprises one or more moieties select from the group consisting of sulfonamide and thiol.